Victor Moll

Given a positive integer a and a prime p, the p-adic valuation of a is the highest power of p dividing a. This talk considers the p-adic valuation of a given sequence. We are interested in explicit formulas describing them. For example, a classical formula of Legendre states that the p-adic valuation of the sequence of factorials is given in terms of the digits of p when written in base p. Theorems, conjectures, trees and pictures will be discussed.

This is joint work with Tewodros Amdeberhan and also with several attendees at this conference. My thanks to all of them.